

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
 Data File : BF128606.D
 Acq On : 31 May 2022 21:01
 Operator : CG\JU
 Sample : N3080-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jun 01 00:59:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

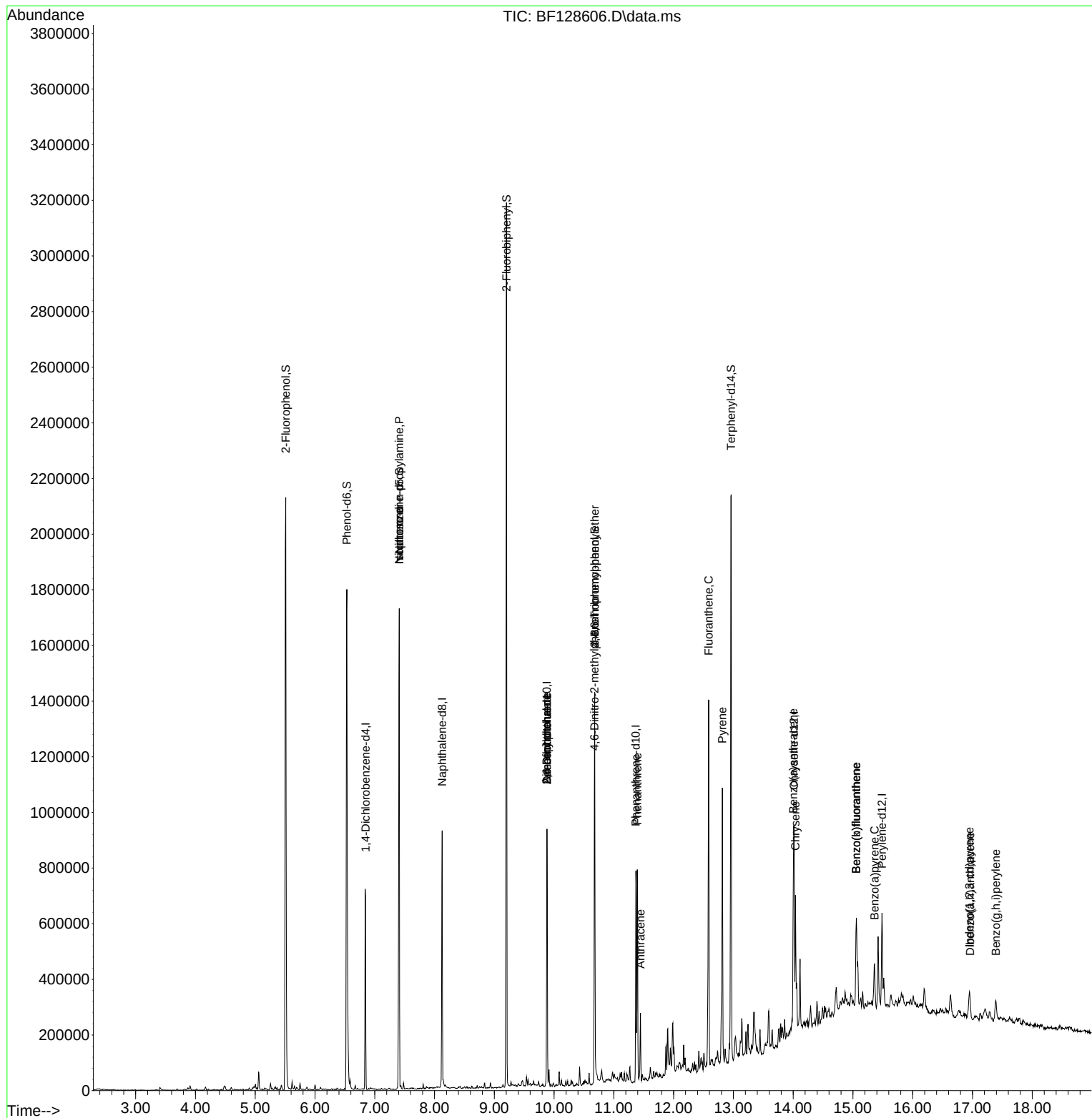
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	101752	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	355679	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	173094	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	278857	20.000	ng	0.00
76) Chrysene-d12	14.016	240	200702	20.000	ng	# 0.00
86) Perylene-d12	15.486	264	152640	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	589670	95.991	ng	0.06
7) Phenol-d6	6.534	99	709427	90.575	ng	0.06
23) Nitrobenzene-d5	7.410	82	514838	83.502	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	154111	93.539	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	866344	81.314	ng	0.00
79) Terphenyl-d14	12.963	244	734274	70.681	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	240	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	73508	15.307	ng	# 77
25) Isophorone	7.410	82	512428	45.053	ng	# 65
50) Dimethylphthalate	9.880	163	29018	2.584	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	22796	11.078	ng	# 26
57) 2,4-Dinitrotoluene	9.880	165	22796	9.260	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.675	198	422	5.792	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	10300	3.575	ng	# 1
71) Phenanthrene	11.392	178	273970	20.740	ng	99
72) Anthracene	11.445	178	79186	6.001	ng	100
75) Fluoranthene	12.586	202	450132	31.873	ng	96
78) Pyrene	12.816	202	380942	25.195	ng	99
81) Benzo(a)anthracene	14.004	228	205368	17.216	ng	98
83) Chrysene	14.039	228	158873	13.004	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	66368	7.372	ng	# 91
88) Benzo(b)fluoranthene	15.057	252	234371	24.683	ng	97
89) Benzo(k)fluoranthene	15.057	252	234371	26.640	ng	97
90) Benzo(a)pyrene	15.362	252	79456	10.430	ng	97
91) Dibenzo(a,h)anthracene	16.962	278	17209	2.305	ng	# 89
92) Benzo(g,h,i)perylene	17.392	276	60205	8.131	ng	95

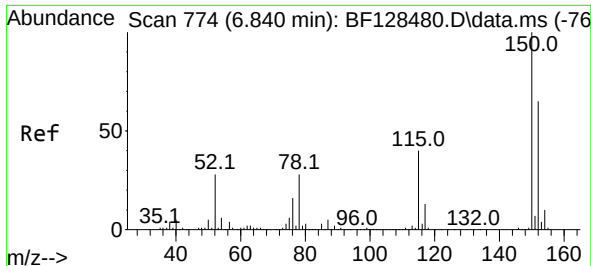
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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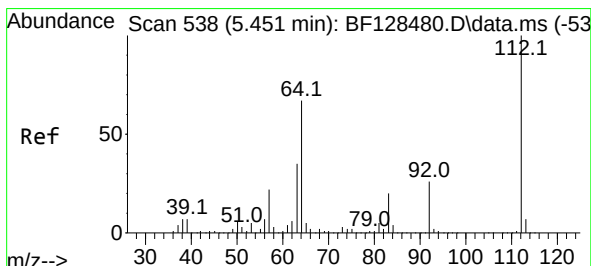
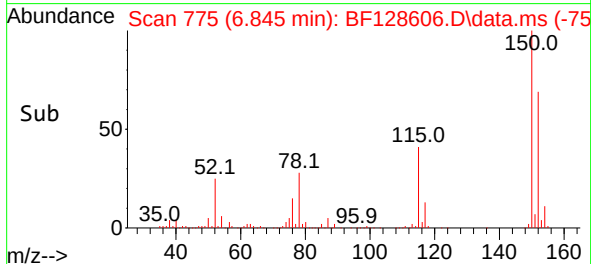
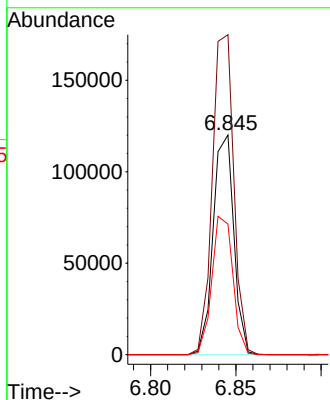
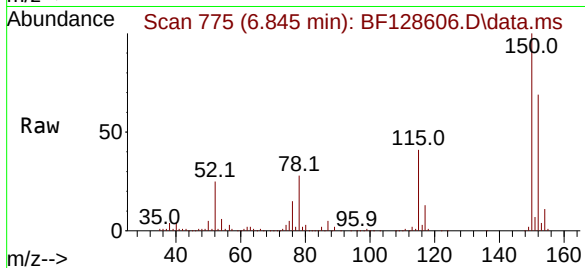




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.005 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

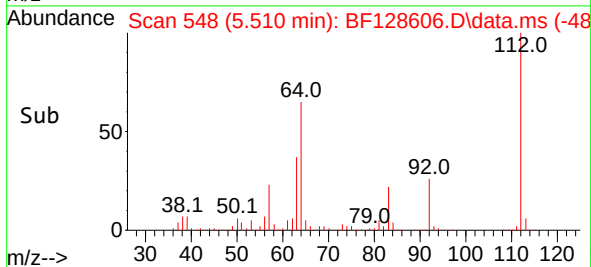
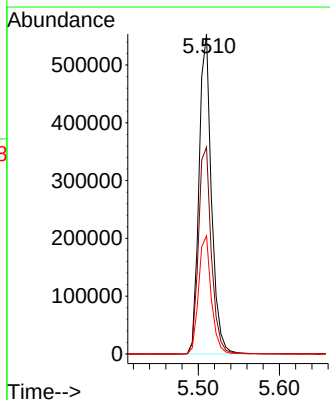
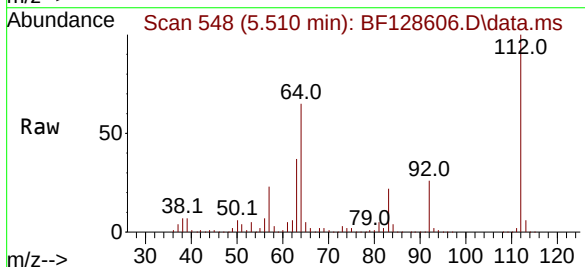
Instrument :
BNA_F
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WC-4

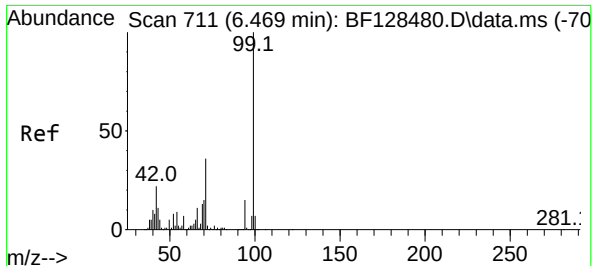
Tgt Ion:152 Resp: 101752
Ion Ratio Lower Upper
152 100
150 145.6 123.7 185.5
115 59.4 49.9 74.9



#5
2-Fluorophenol
Concen: 95.991 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.059 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:112 Resp: 589670
Ion Ratio Lower Upper
112 100
64 64.6 53.3 79.9
63 36.9 28.0 42.0

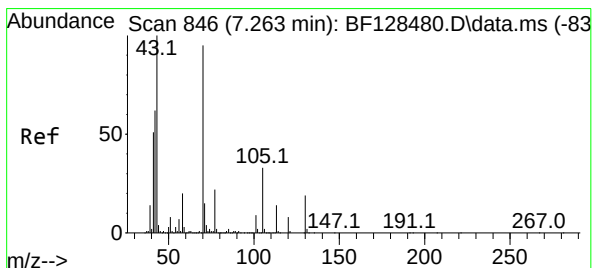
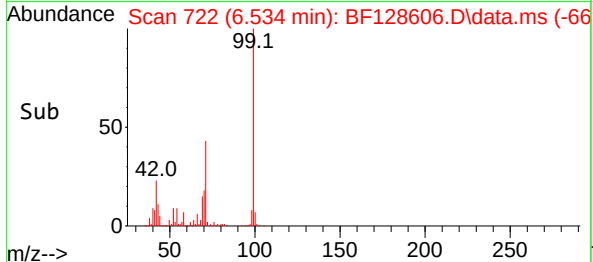
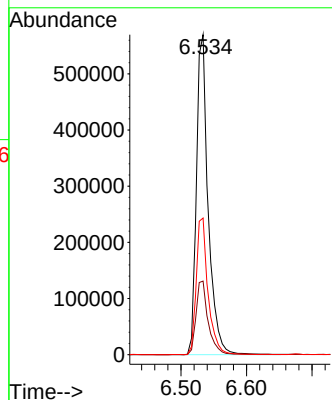
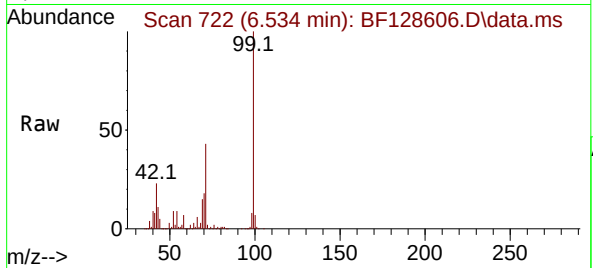




#7
Phenol-d6
Concen: 90.575 ng
RT: 6.534 min Scan# 711
Delta R.T. 0.065 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

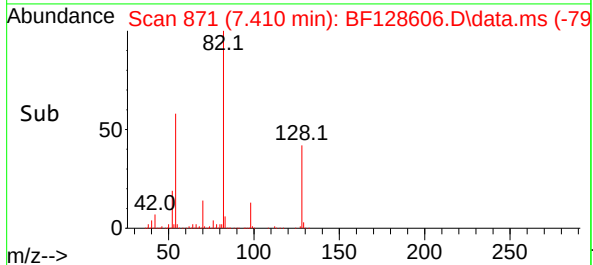
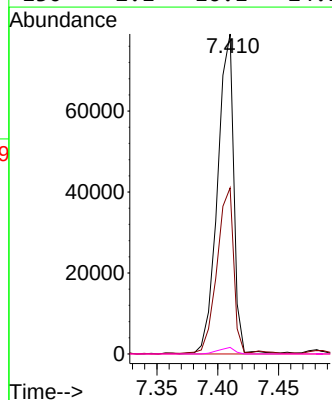
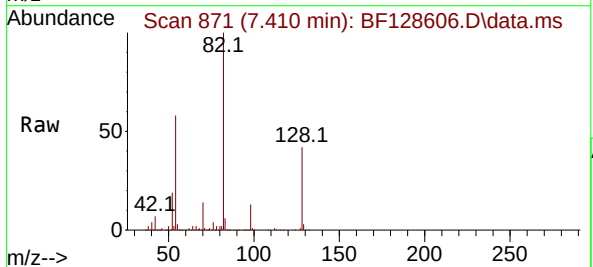
Instrument :
BNA_F
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WC-4

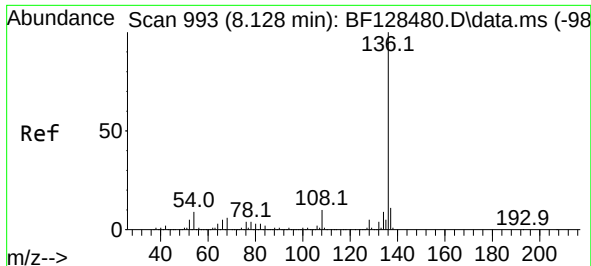
Tgt Ion: 99 Resp: 709427
Ion Ratio Lower Upper
99 100
42 23.0 17.3 25.9
71 42.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.307 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion: 70 Resp: 73508
Ion Ratio Lower Upper
70 100
42 51.9 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#

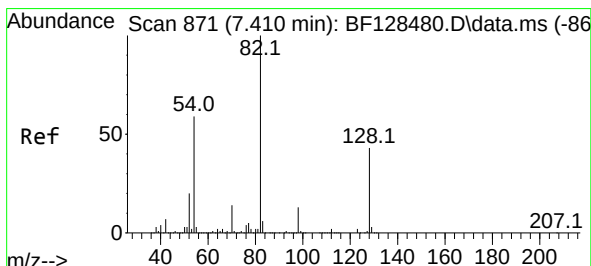
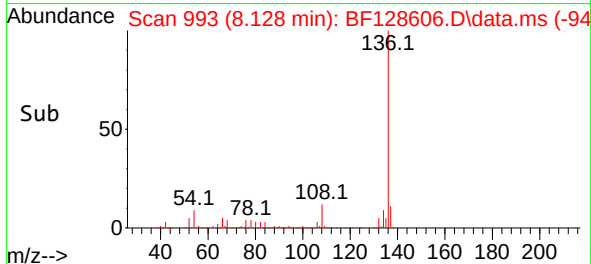
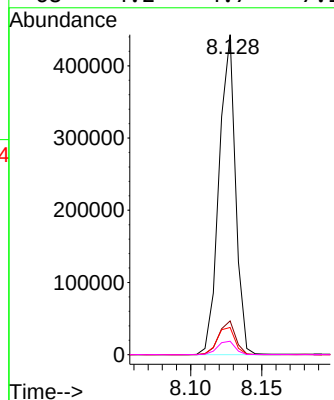
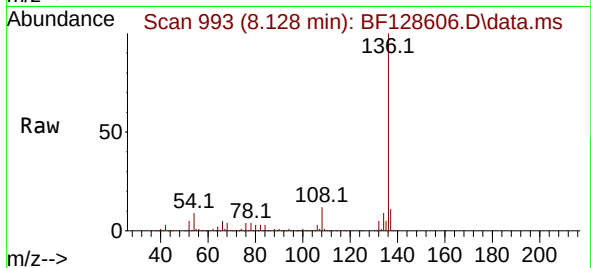




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

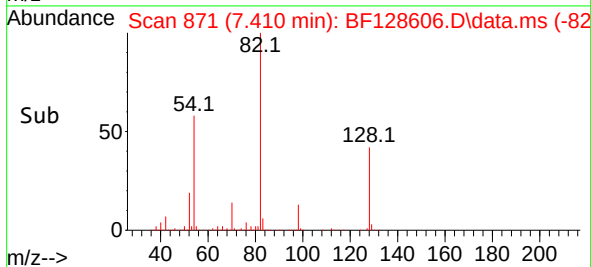
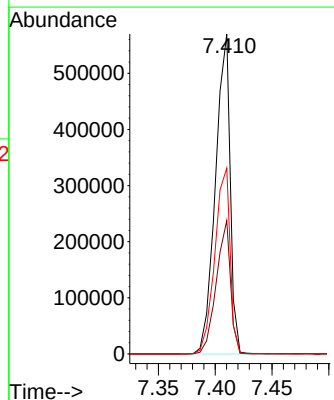
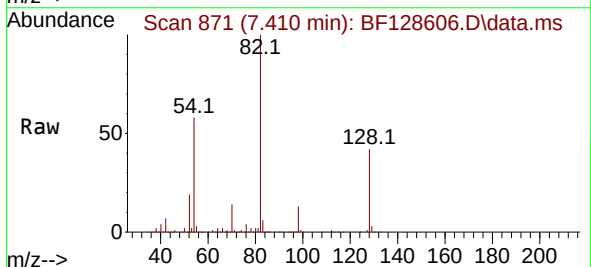
Instrument :
BNA_F
ClientSampleId :
WC-4

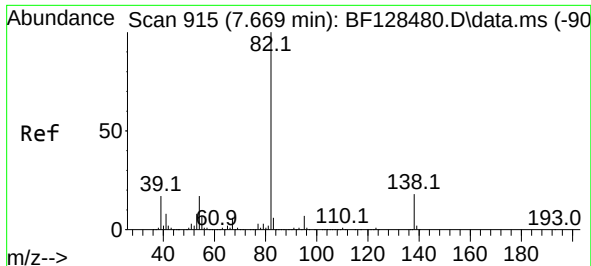
Tgt Ion:136 Resp: 355679
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.5 7.5 11.3
68 4.2 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 83.502 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion: 82 Resp: 514838
Ion Ratio Lower Upper
82 100
128 41.7 34.0 51.0
54 58.1 46.9 70.3

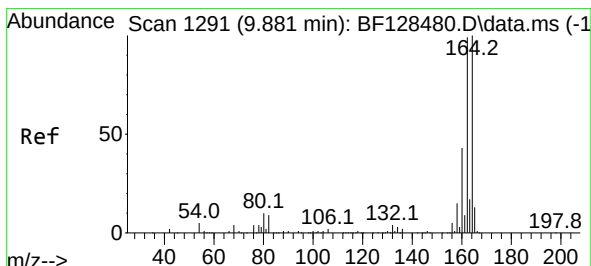
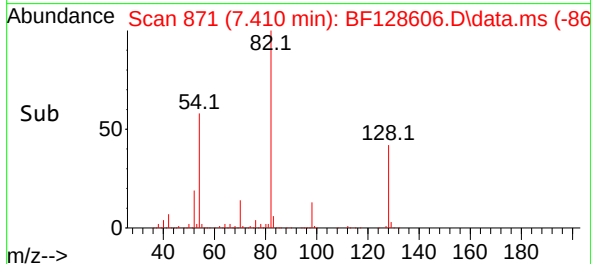
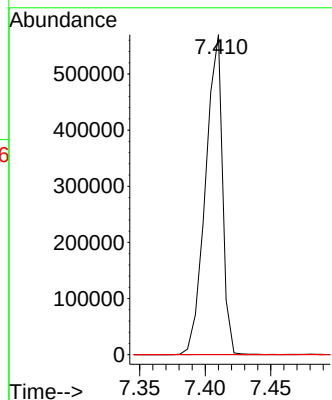
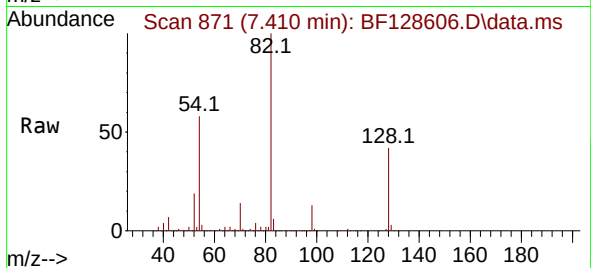




#25
Isophorone
Concen: 45.053 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

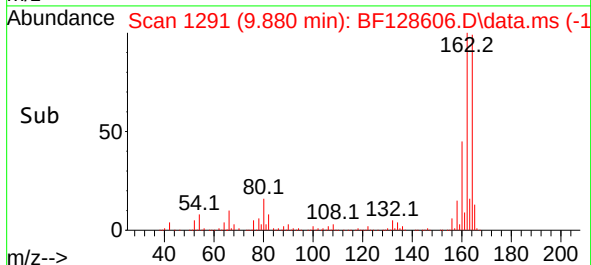
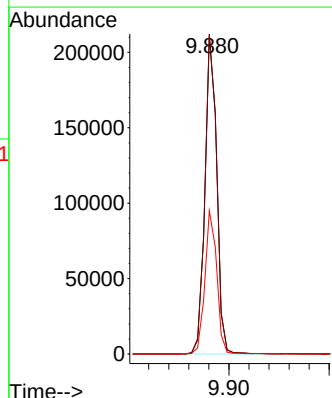
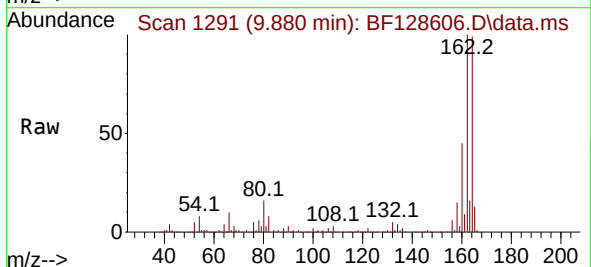
Instrument :
BNA_F
ClientSampleId :
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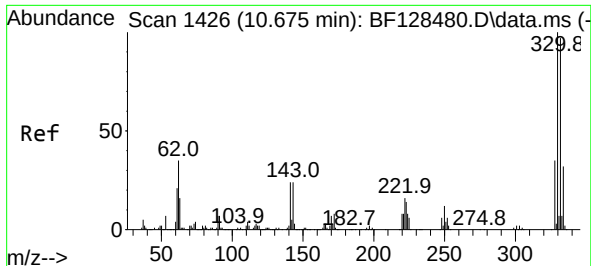
Tgt Ion: 82 Resp: 512428
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.001 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:164 Resp: 173094
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 45.0 34.2 51.4

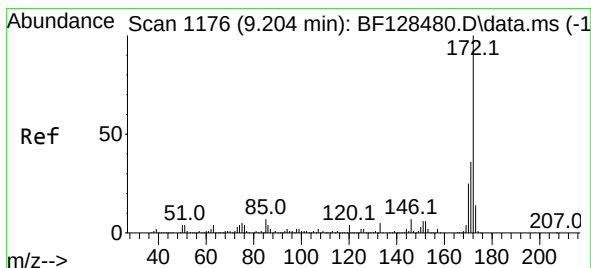
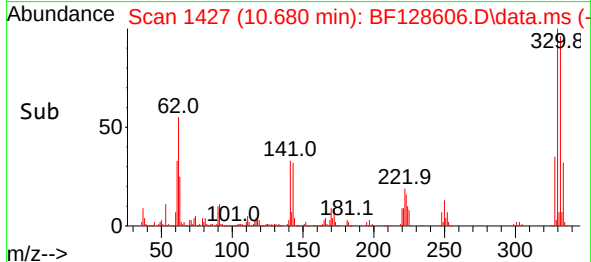
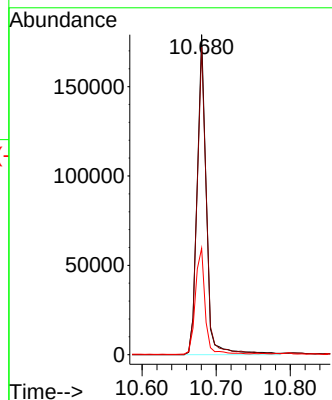
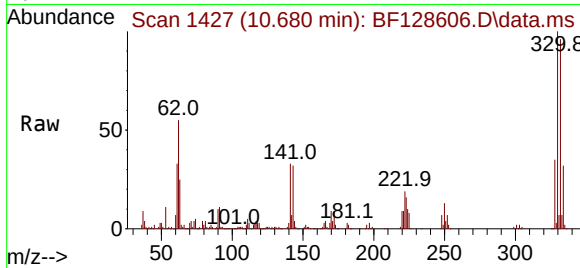




#42
 2,4,6-Tribromophenol
 Concen: 93.539 ng
 RT: 10.680 min Scan# 1426
 Delta R.T. 0.006 min
 Lab File: BF128606.D
 Acq: 31 May 2022 21:01

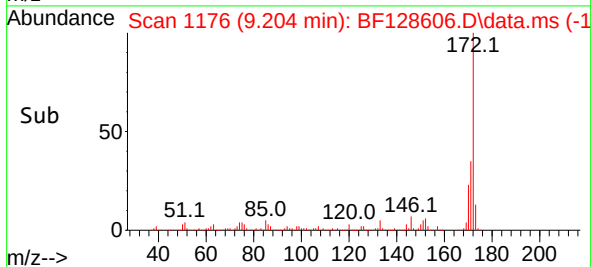
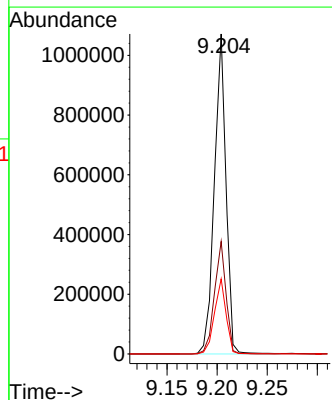
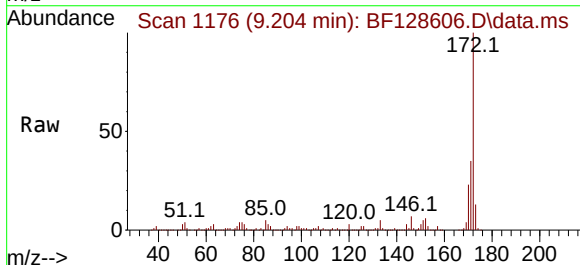
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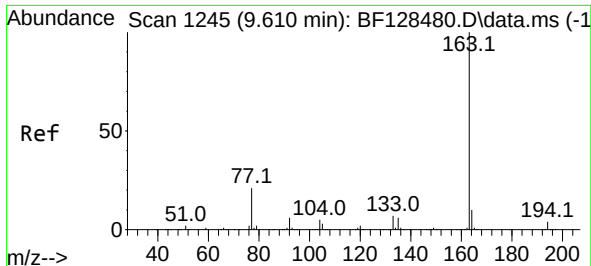
Tgt Ion:330 Resp: 154111
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.8 115.2
 141 35.1 28.0 42.0



#45
 2-Fluorobiphenyl
 Concen: 81.314 ng
 RT: 9.204 min Scan# 1176
 Delta R.T. -0.000 min
 Lab File: BF128606.D
 Acq: 31 May 2022 21:01

Tgt Ion:172 Resp: 866344
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.8 43.2
 170 23.5 19.8 29.8

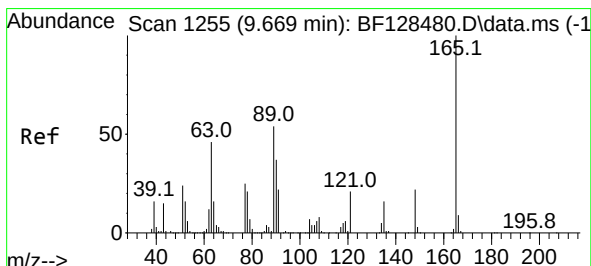
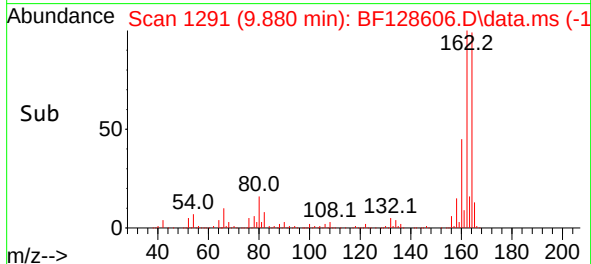
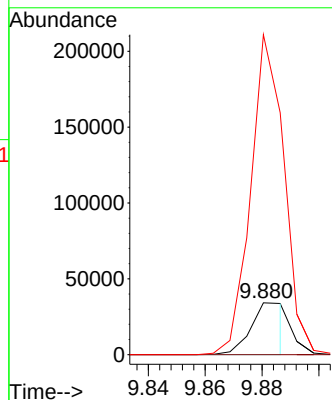
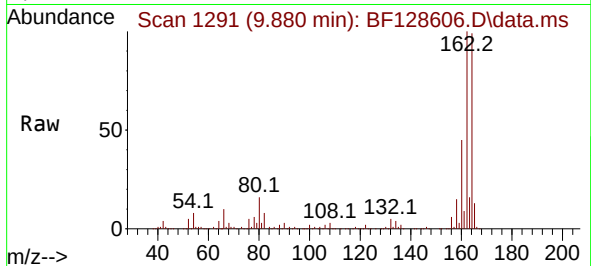




#50
Dimethylphthalate
Concen: 2.584 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.270 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

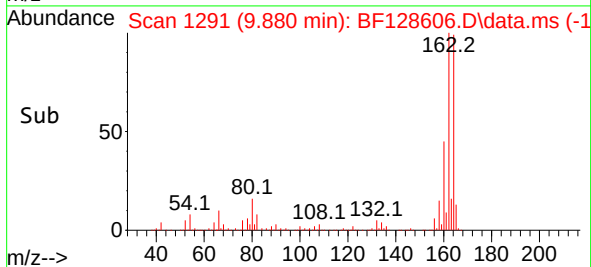
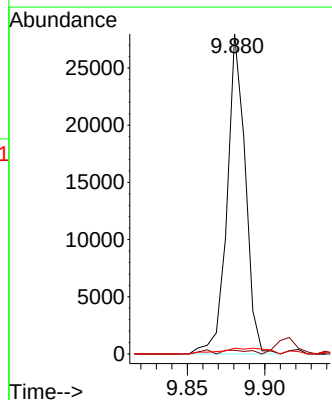
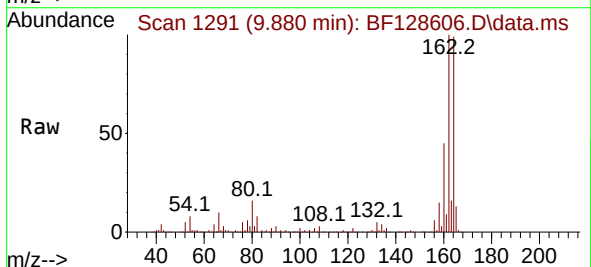
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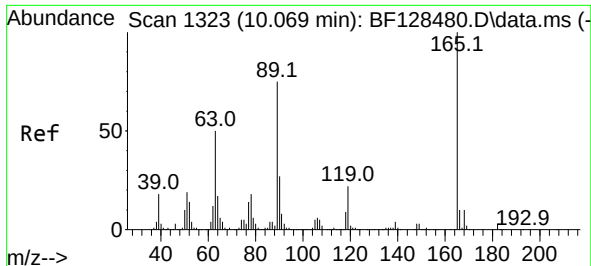
Tgt Ion:163 Resp: 29018
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 617.1 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 11.078 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.212 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:165 Resp: 22796
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 1.8 43.6 65.4#

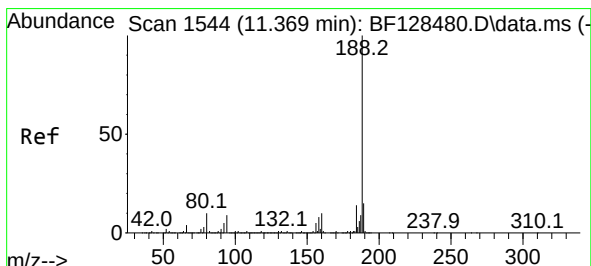
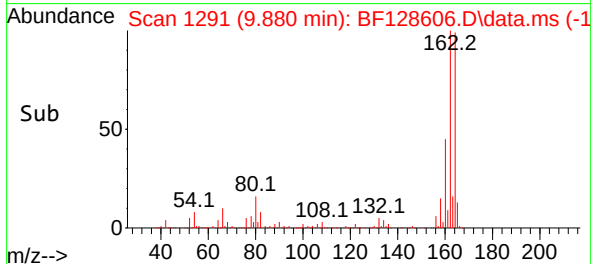
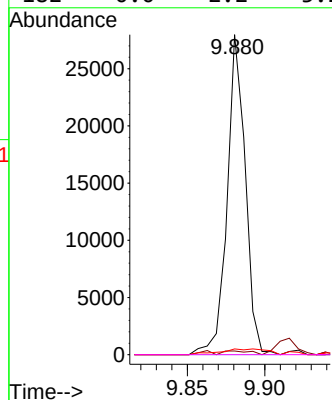
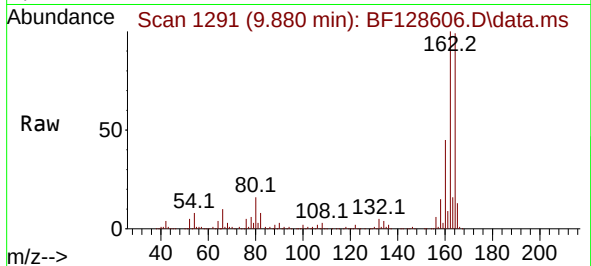




#57
2,4-Dinitrotoluene
Concen: 9.260 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

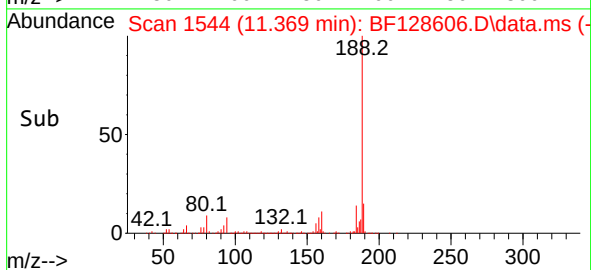
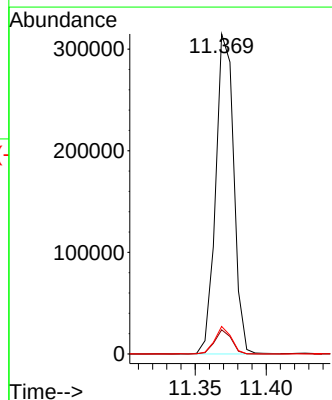
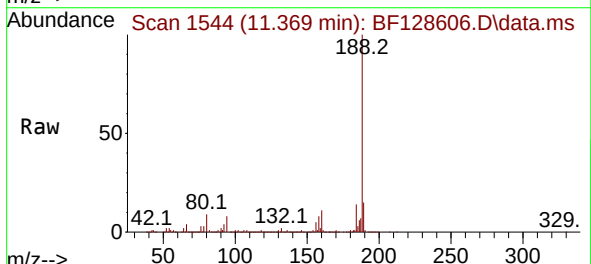
Instrument :
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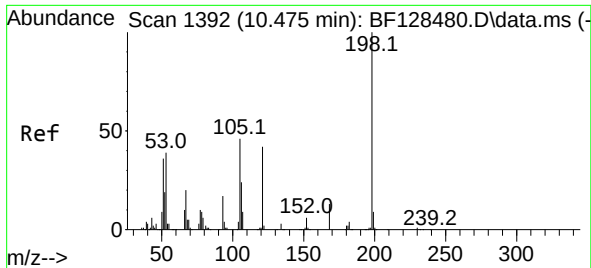
Tgt Ion:165 Resp: 22796
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.8 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:188 Resp: 278857
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.6 7.6 11.4

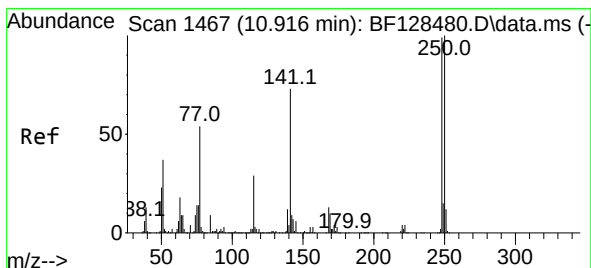
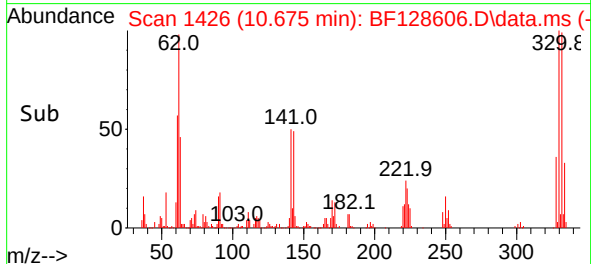
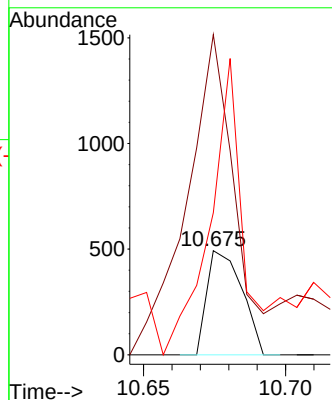
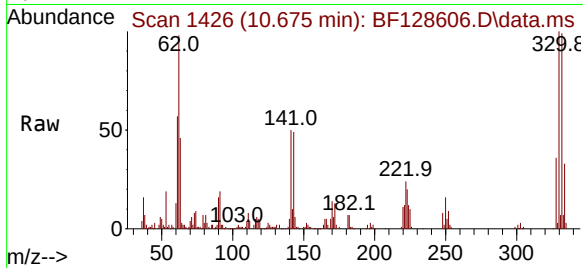




#65
4,6-Dinitro-2-methylphenol
Concen: 5.792 ng
RT: 10.675 min Scan# 1426
Delta R.T. 0.200 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

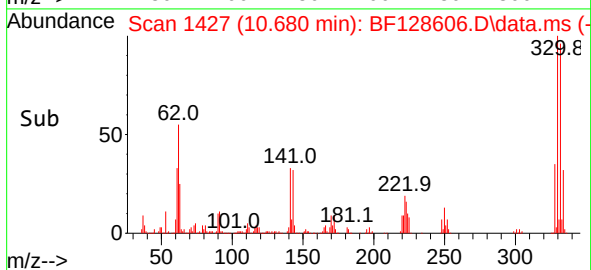
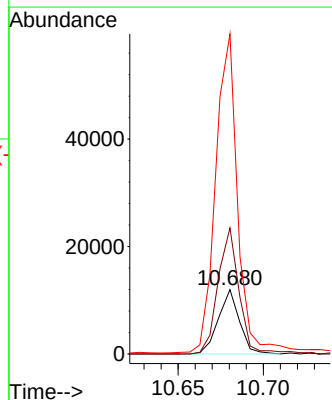
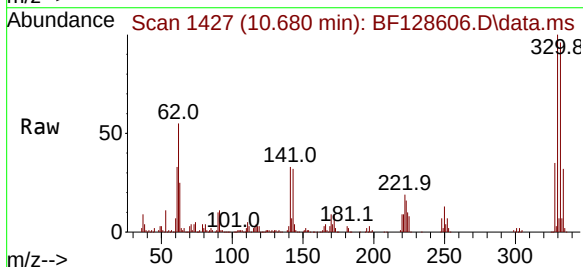
Instrument :
BNA_F
ClientSampleId :
WC-4

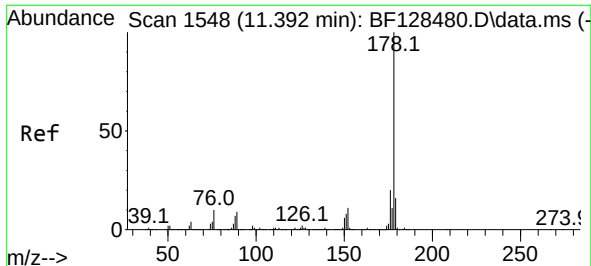
Tgt Ion:198 Resp: 422
Ion Ratio Lower Upper
198 100
51 307.3 37.6 77.6#
105 136.3 27.0 67.0#



#67
4-Bromophenyl-phenylether
Concen: 3.575 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.236 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:248 Resp: 10300
Ion Ratio Lower Upper
248 100
250 196.2 80.6 120.8#
141 497.7 58.9 88.3#

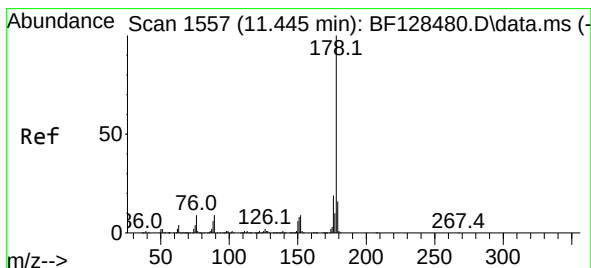
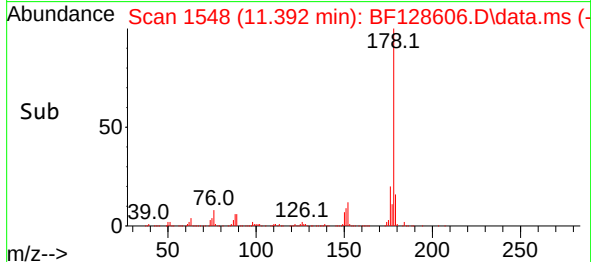
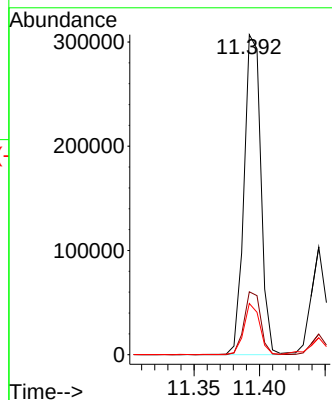
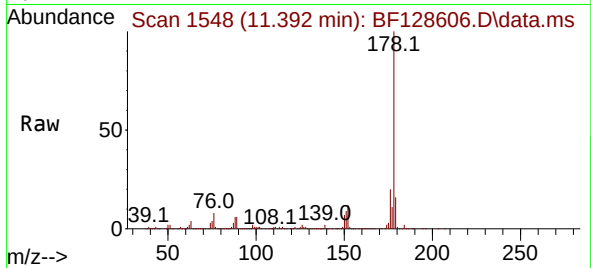




#71
Phenanthrene
Concen: 20.740 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

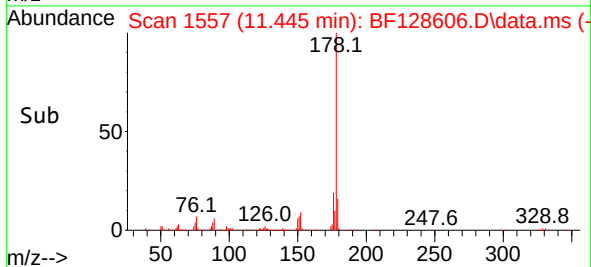
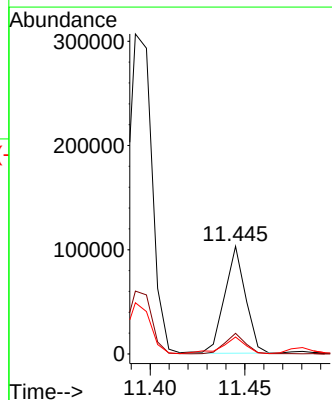
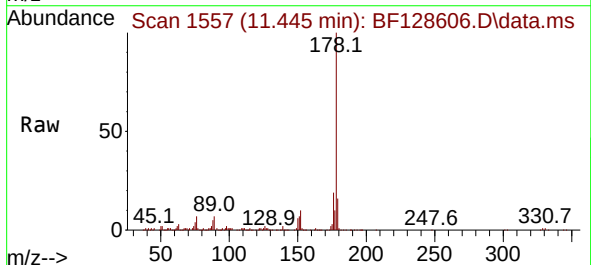
Instrument :
BNA_F
ClientSampleId :
WC-4

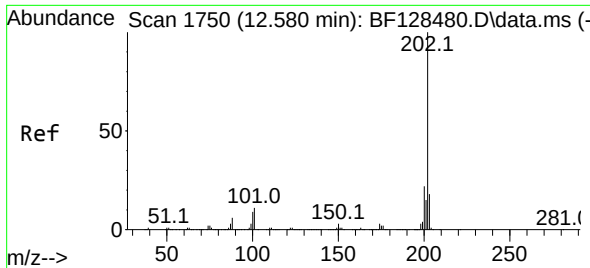
Tgt Ion:178 Resp: 273970
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.0 12.6 19.0



#72
Anthracene
Concen: 6.001 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:178 Resp: 79186
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.6 19.0

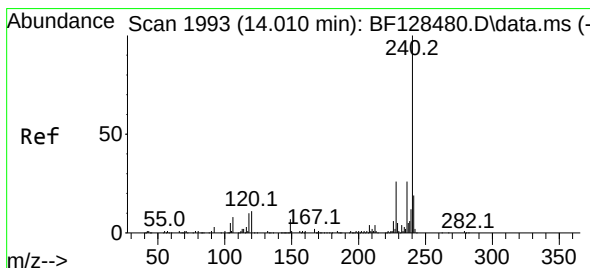
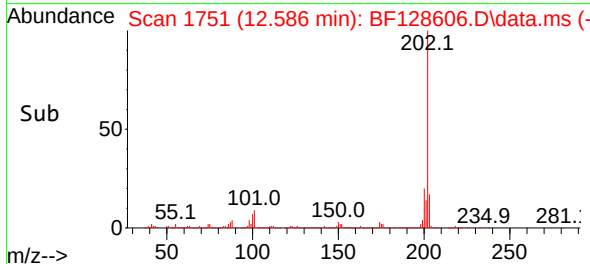
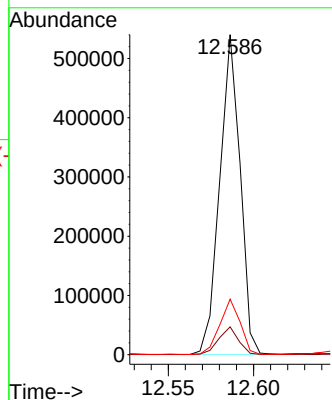
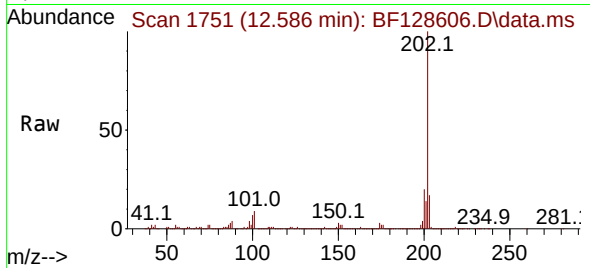




#75
Fluoranthene
Concen: 31.873 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

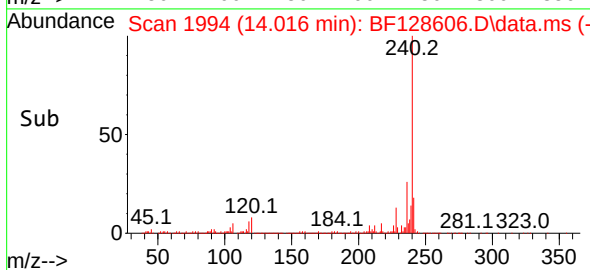
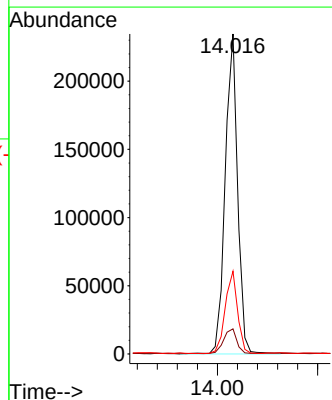
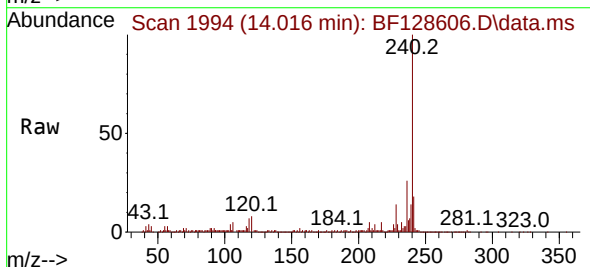
Instrument :
BNA_F
ClientSampleId :
WC-4

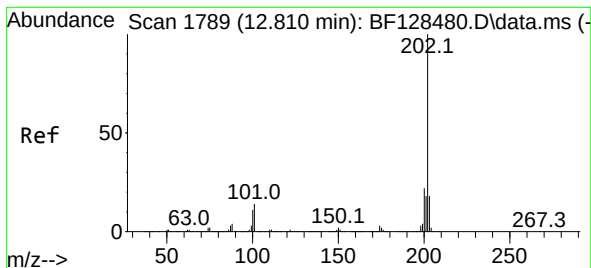
Tgt Ion:202 Resp: 450132
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.4
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:240 Resp: 200702
Ion Ratio Lower Upper
240 100
120 7.8 8.9 13.3#
236 25.9 20.8 31.2





#78

Pyrene

Concen: 25.195 ng

RT: 12.816 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

Instrument :

BNA_F

ClientSampleId :

WC-4

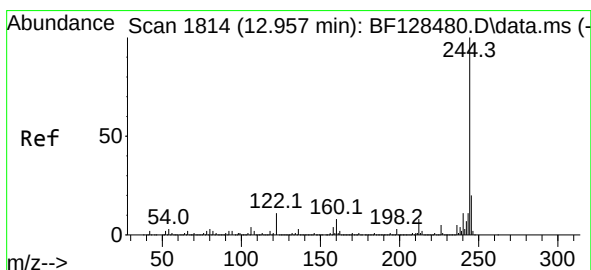
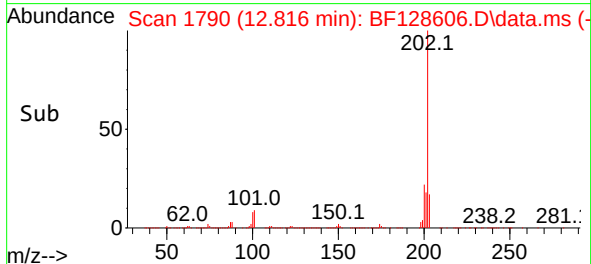
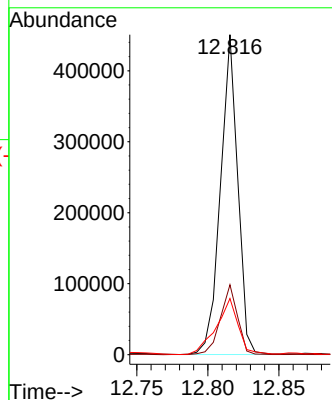
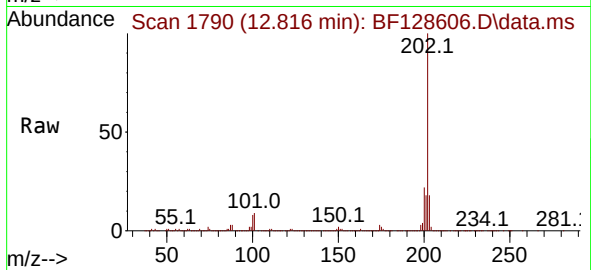
Tgt Ion:202 Resp: 380942

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

203 17.5 14.6 21.8



#79

Terphenyl-d14

Concen: 70.681 ng

RT: 12.963 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

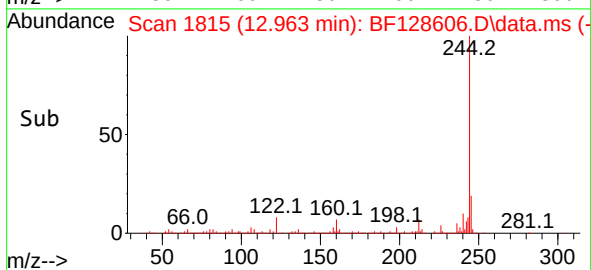
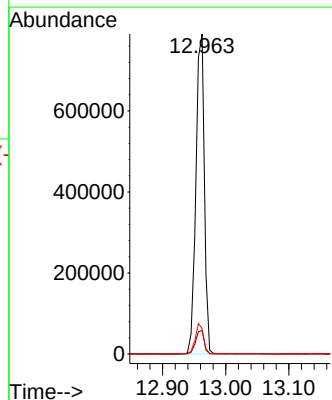
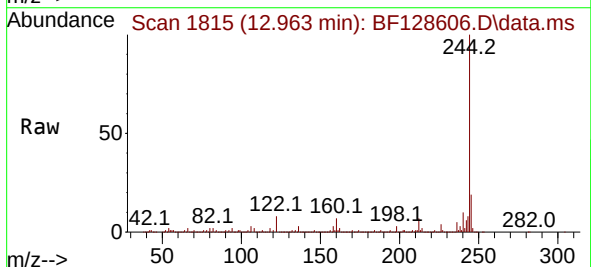
Tgt Ion:244 Resp: 734274

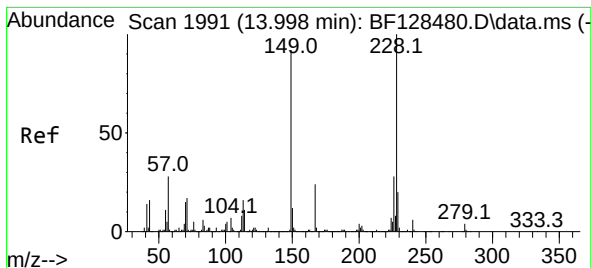
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 7.9 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 17.216 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.006 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

Instrument :

BNA_F

ClientSampleId :

WC-4

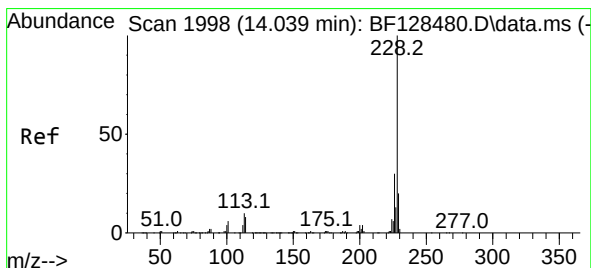
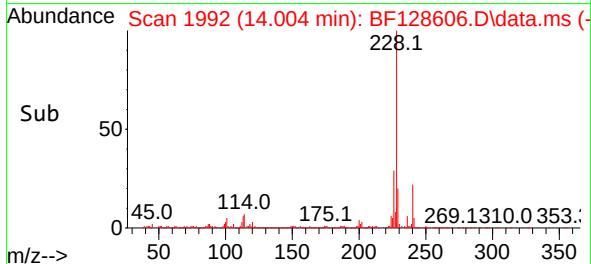
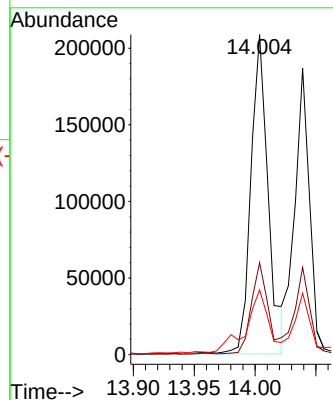
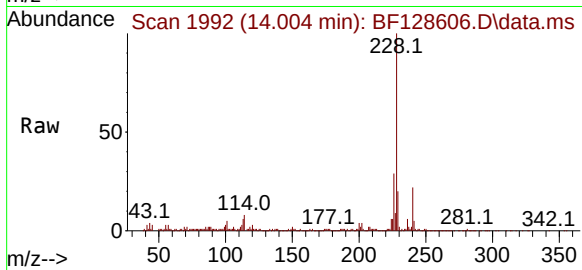
Tgt Ion:228 Resp: 205368

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

229 20.2 15.8 23.8



#83

Chrysene

Concen: 13.004 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

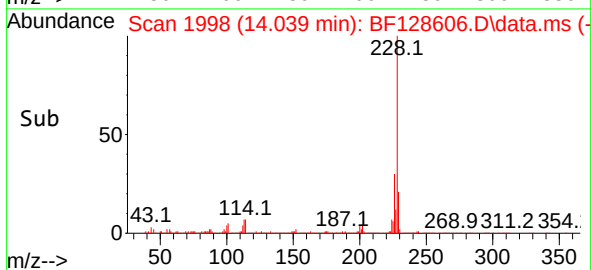
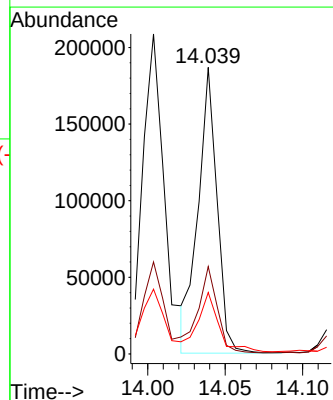
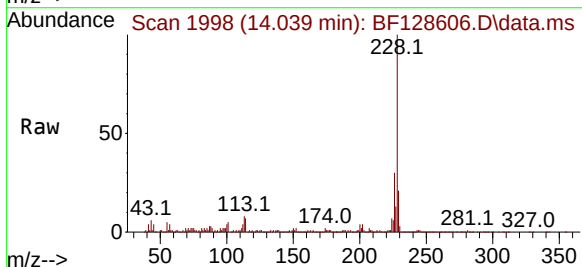
Tgt Ion:228 Resp: 158873

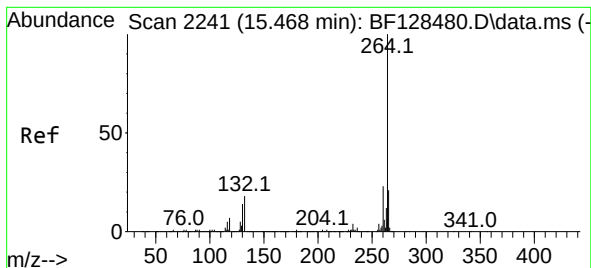
Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 21.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

Instrument :

BNA_F

ClientSampleId :

WC-4

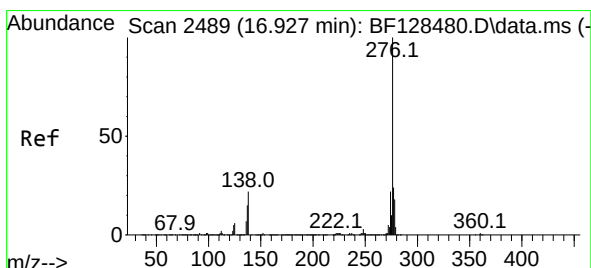
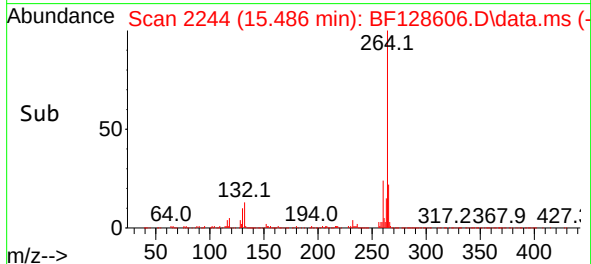
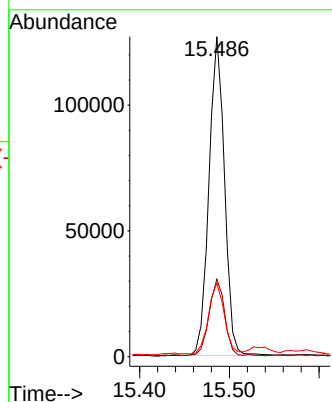
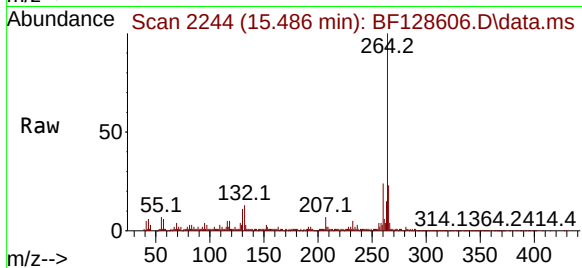
Tgt Ion:264 Resp: 152640

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 23.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.372 ng

RT: 16.951 min Scan# 2493

Delta R.T. 0.023 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

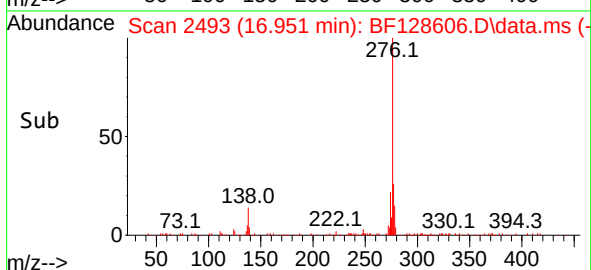
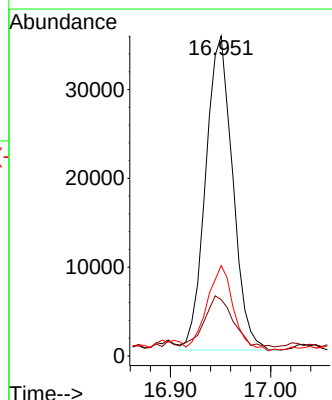
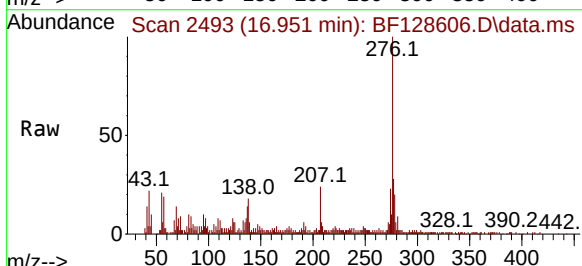
Tgt Ion:276 Resp: 66368

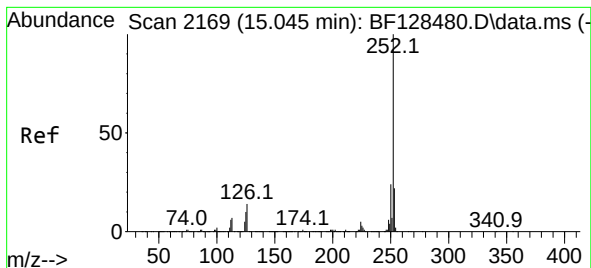
Ion Ratio Lower Upper

276 100

138 17.5 21.1 31.7#

277 25.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 24.683 ng

RT: 15.057 min Scan# 2171

Delta R.T. 0.012 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

Instrument :

BNA_F

ClientSampleId :

WC-4

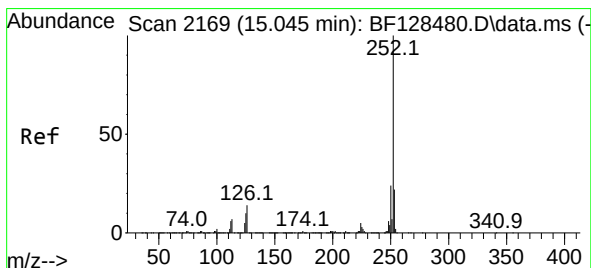
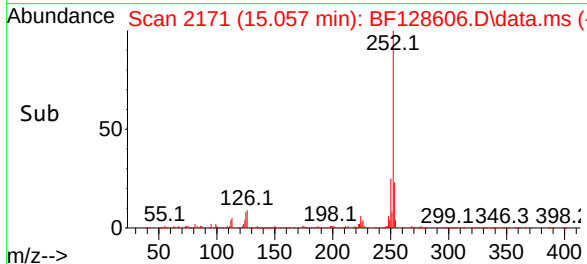
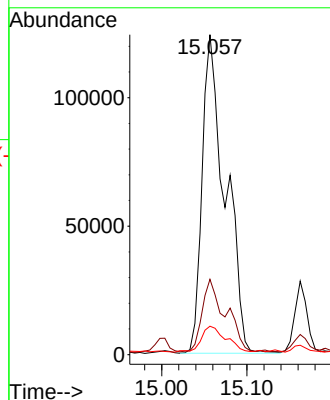
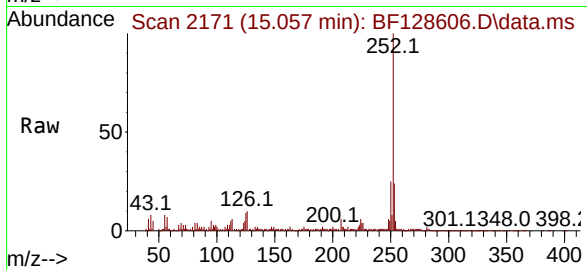
Tgt Ion:252 Resp: 234371

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 8.9 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 26.640 ng

RT: 15.057 min Scan# 2171

Delta R.T. -0.018 min

Lab File: BF128606.D

Acq: 31 May 2022 21:01

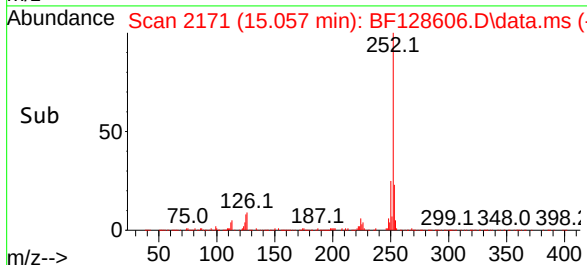
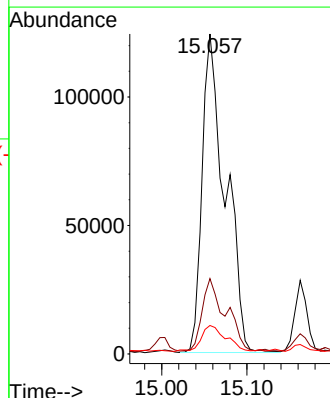
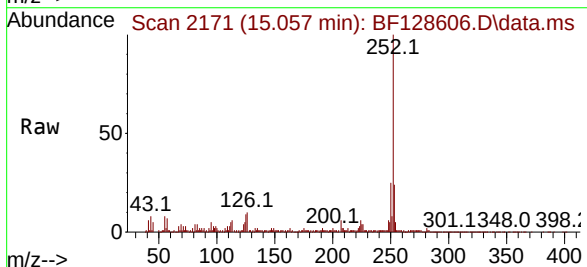
Tgt Ion:252 Resp: 234371

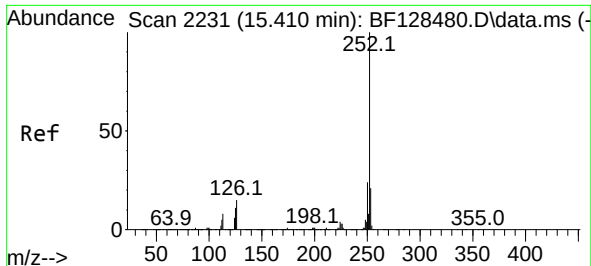
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 8.9 8.3 12.5

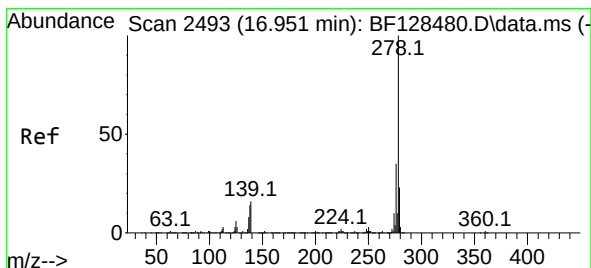
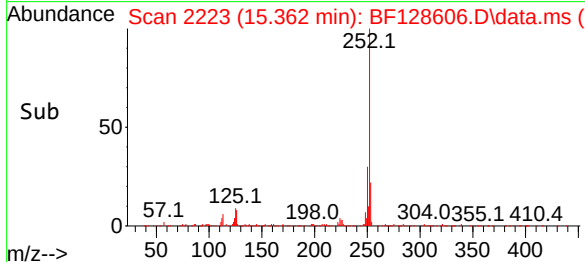
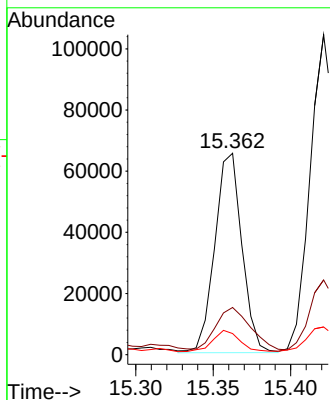
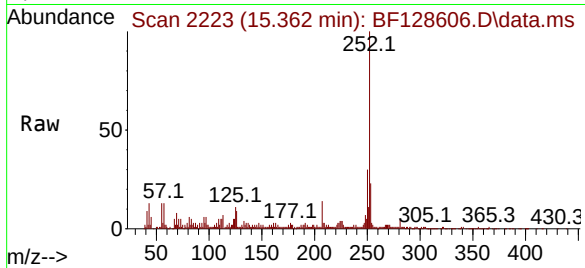




#90
Benzo(a)pyrene
Concen: 10.430 ng
RT: 15.362 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

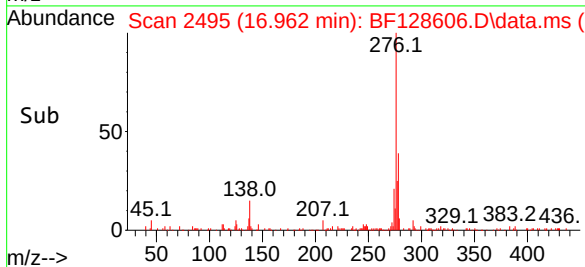
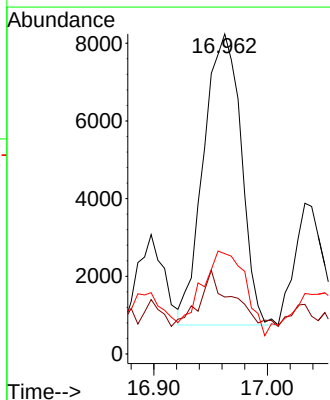
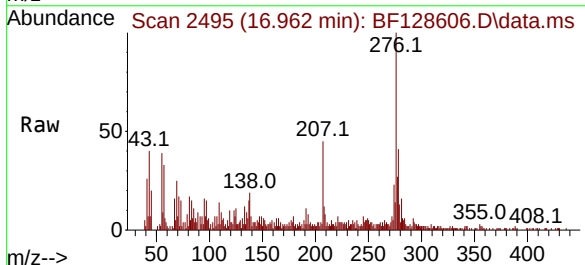
Instrument :
BNA_F
ClientSampleId :
WC-4

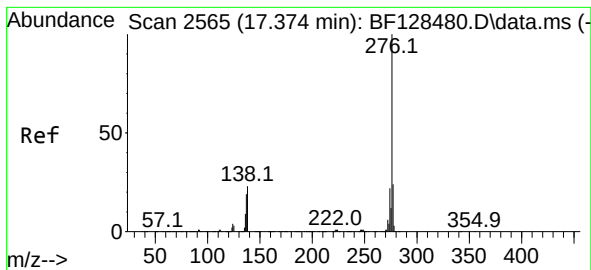
Tgt Ion:252 Resp: 79456
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 10.5 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 2.305 ng
RT: 16.962 min Scan# 2495
Delta R.T. 0.012 min
Lab File: BF128606.D
Acq: 31 May 2022 21:01

Tgt Ion:278 Resp: 17209
Ion Ratio Lower Upper
278 100
139 17.8 12.8 19.2
279 31.3 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 8.131 ng

RT: 17.392 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128606.D

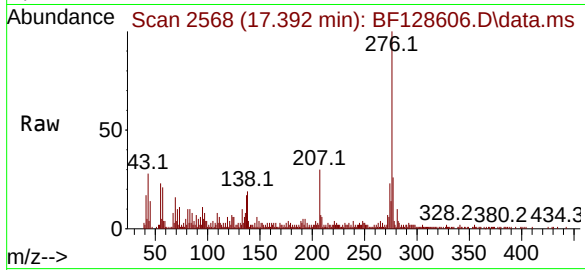
Acq: 31 May 2022 21:01

Instrument :

BNA_F

ClientSampleId :

WC-4



Tgt Ion:276 Resp: 60205

Ion Ratio Lower Upper

276 100

277 25.5 19.1 28.7

138 18.9 18.0 27.0

